



Title: Protein Engineering
 Inventors: Mark Leslie SMYTHE et al.
 Attorney Docket No. 065064-0135
 Application No. 09/830,011
 Sheet 1 of 14
 REPLACEMENT SHEET

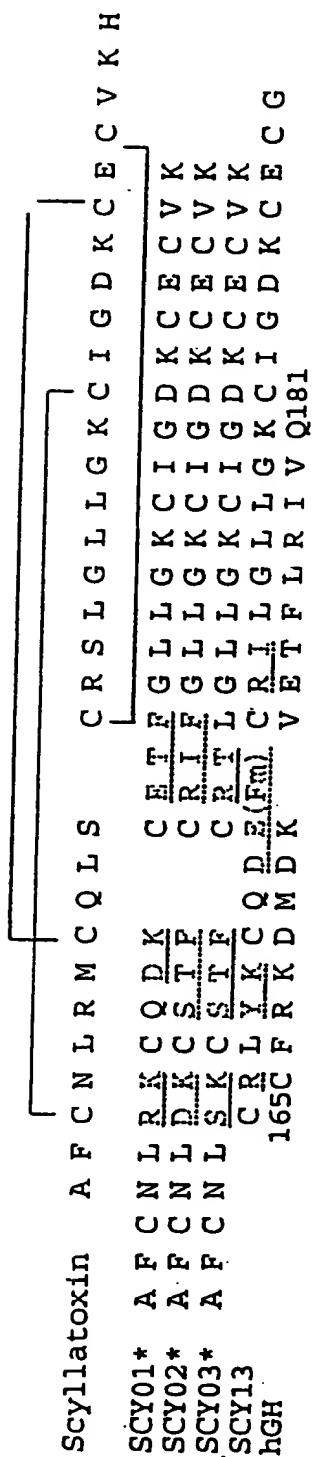


FIG. 1

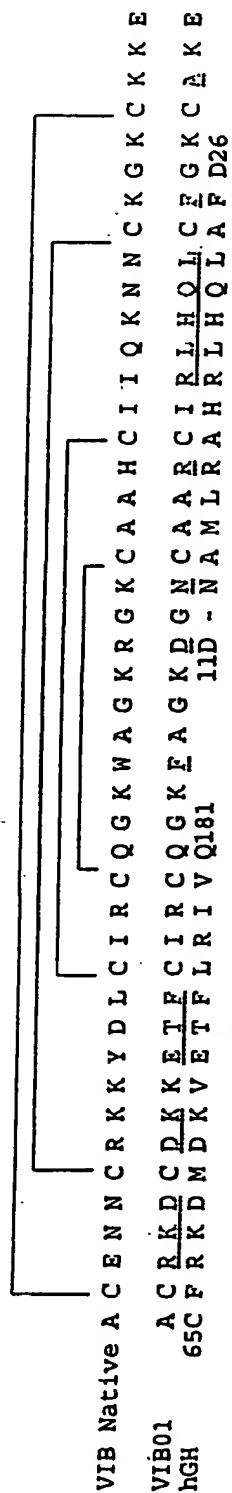


FIG. 2

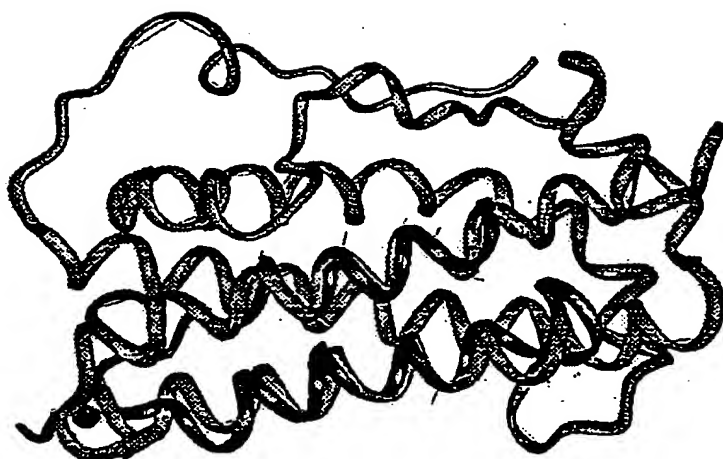


FIG. 3

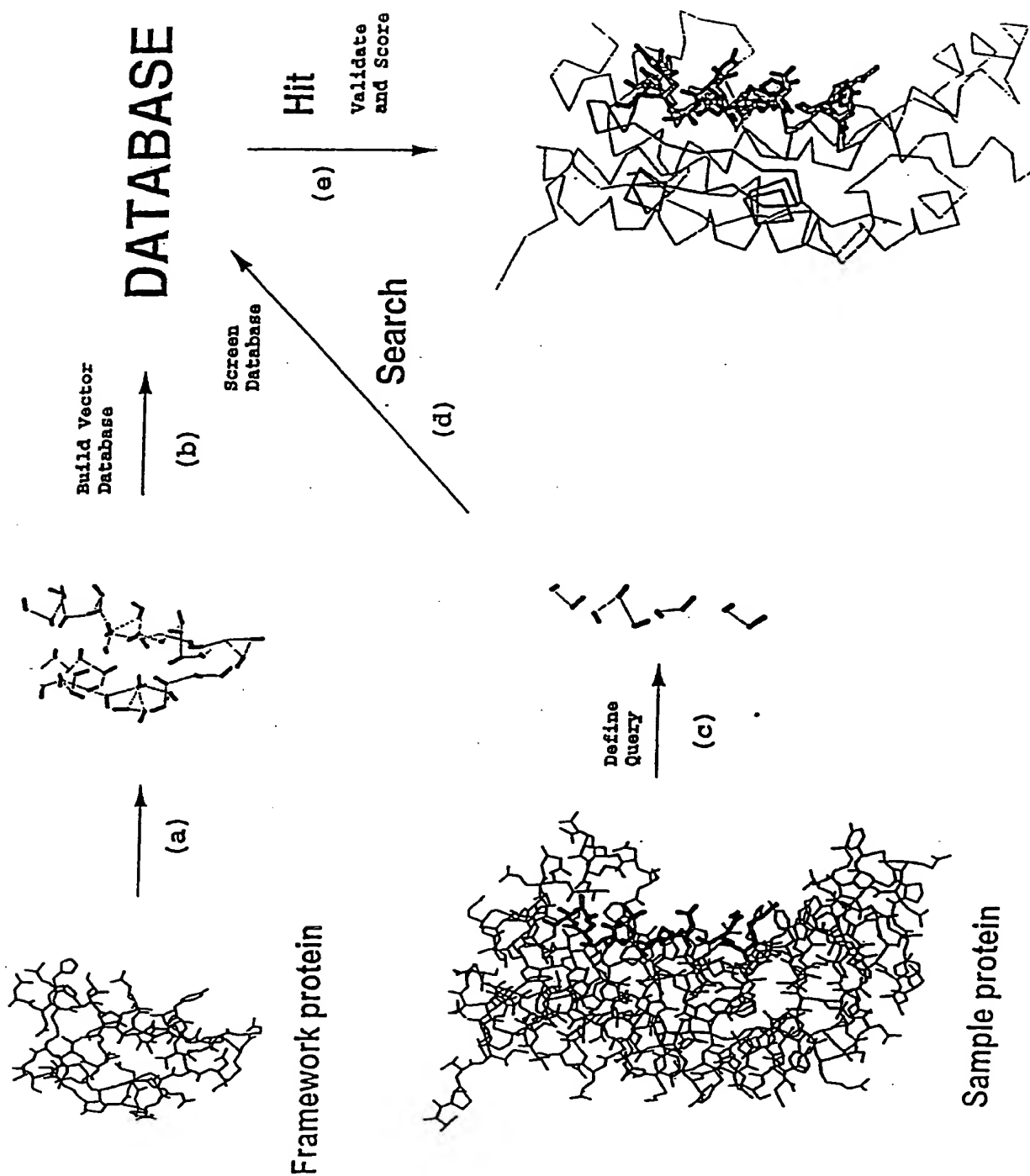


FIG. 4

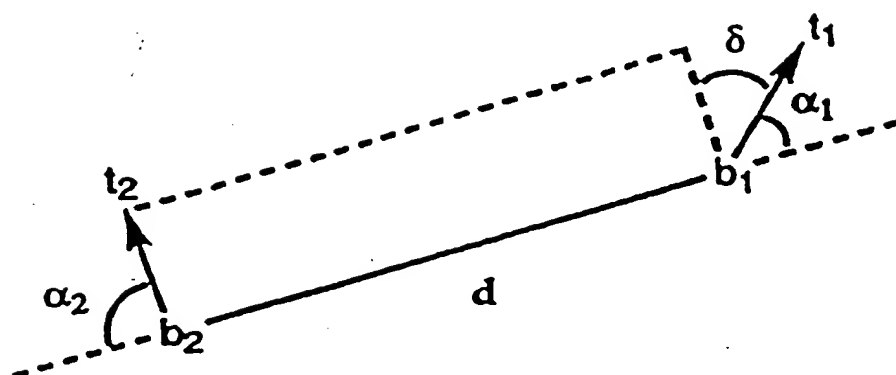


FIG. 5

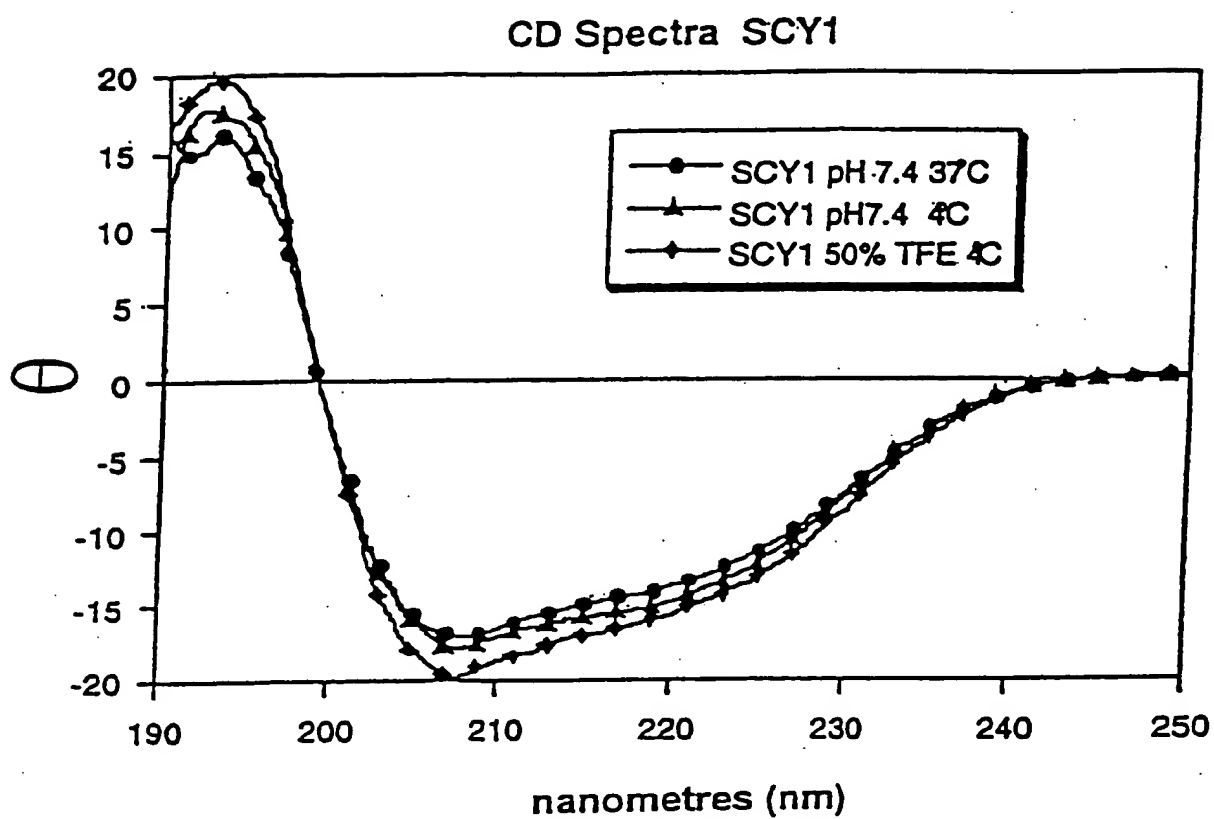


FIG. 6

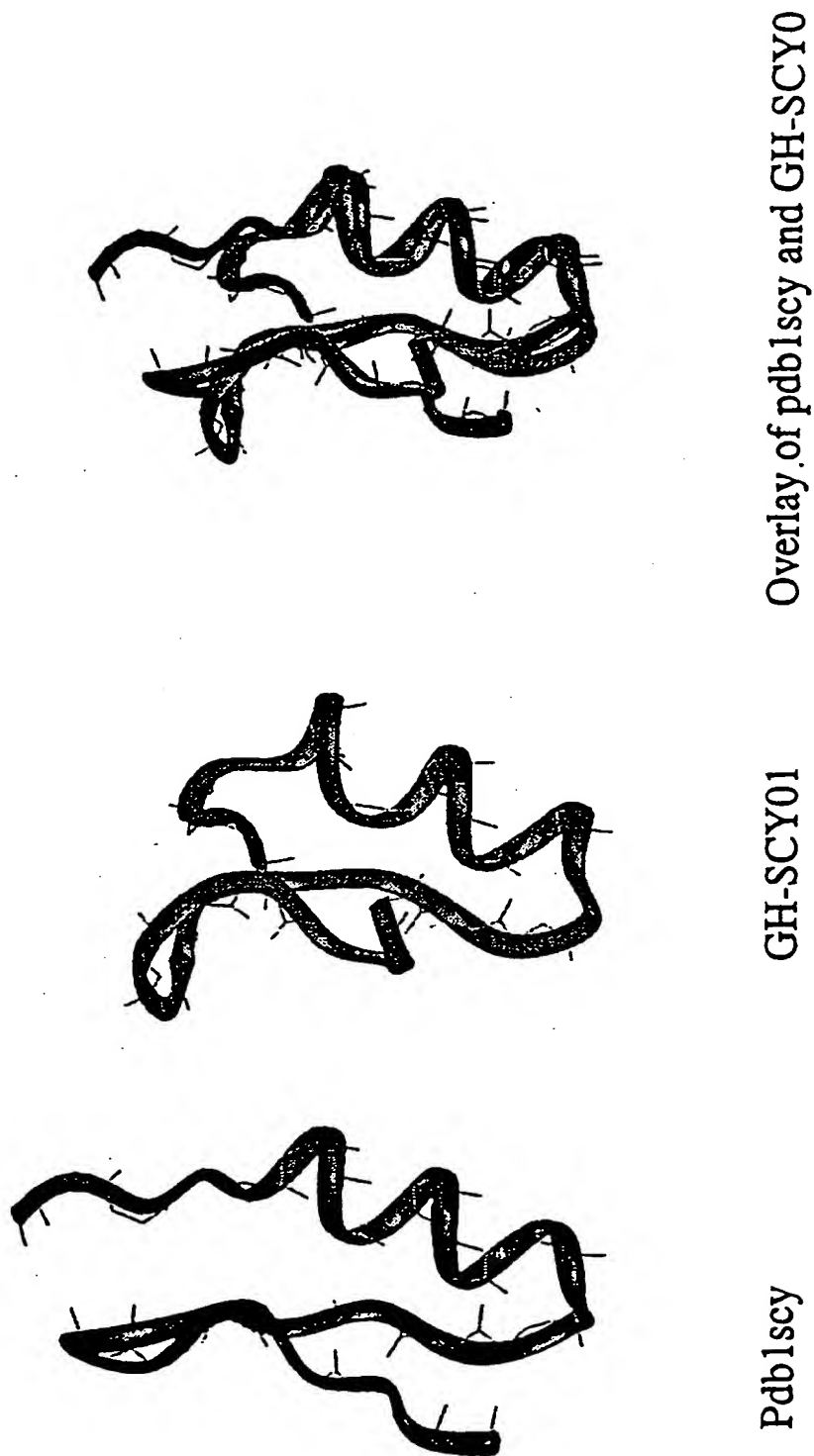


FIG. 7

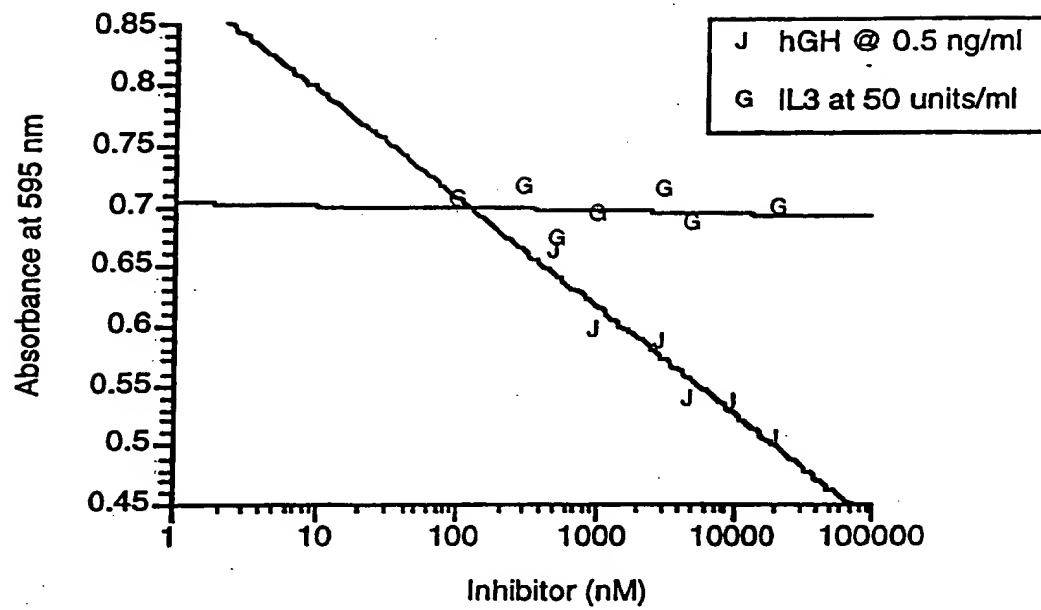


FIG. 8

ZDC	F	N	M	Q	C	Q	R	R	F	Y	E	A	L	H	D	P	N	L	N	E	E	Q	R	N	A	K	I	K	S	I	R	D	D	C
ZDC05	F	N	Y	D	C	Q	K	D	F	E	E	G	L	Q	T	P	P	G	L	N	E	E	E	R	N	D	N	I	K	L	R	R	D	C
hGH	105A	S	D	S	N	V	Y	D	L	L	K	D	L	E	E	G	I	Q	T	123														
hGH																																		

FIG. 9

CD spectra of CML 30
NH2-VIBO1

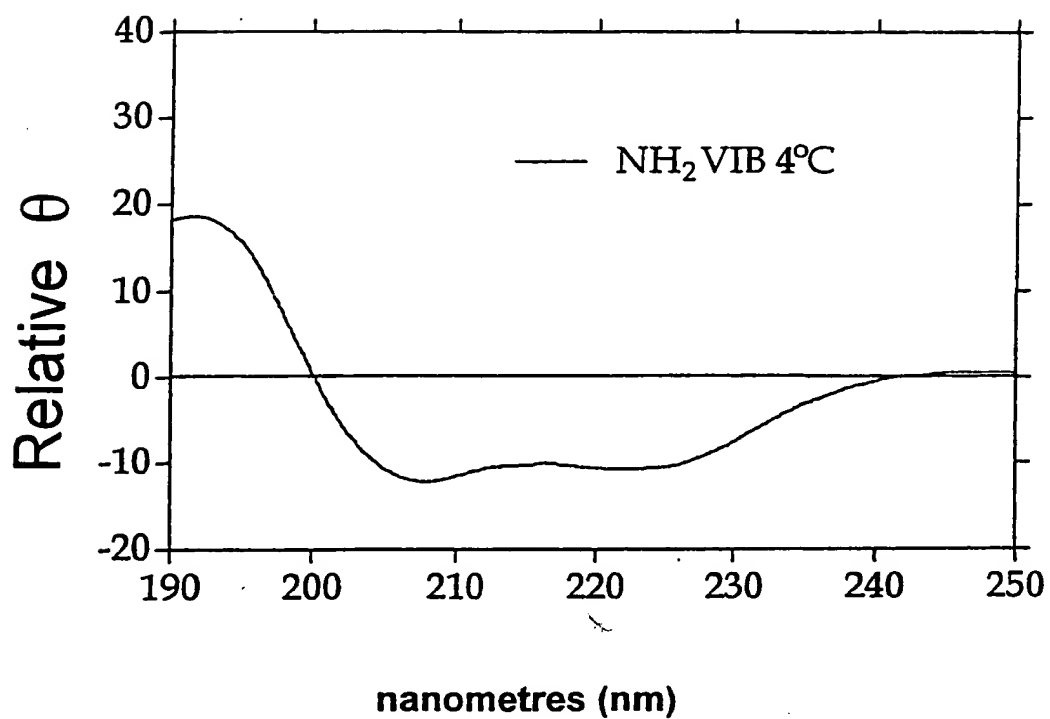


FIG. 10

ERP Native	D L C E Q S A L Q C N E Q G C H N F C S P E D K P G C L G M V W N P E L C P
ERP01	D L C E Q G A L Q C G E T F C R I A C S P R D K D N C n l L R V H R P A L C A
ERP02	D L C E Q G A L Q C G S T F C R T A C S P R D K D N C n l L R V D R P A L C A
ERP03	D L C E Q S A L Q C N S T G C R T F C S P R D B D N C n l L R V D R P A L C A
hGH	173V E T F L R I V180-8S R L F D N A M L R A H R L20

FIG. 11

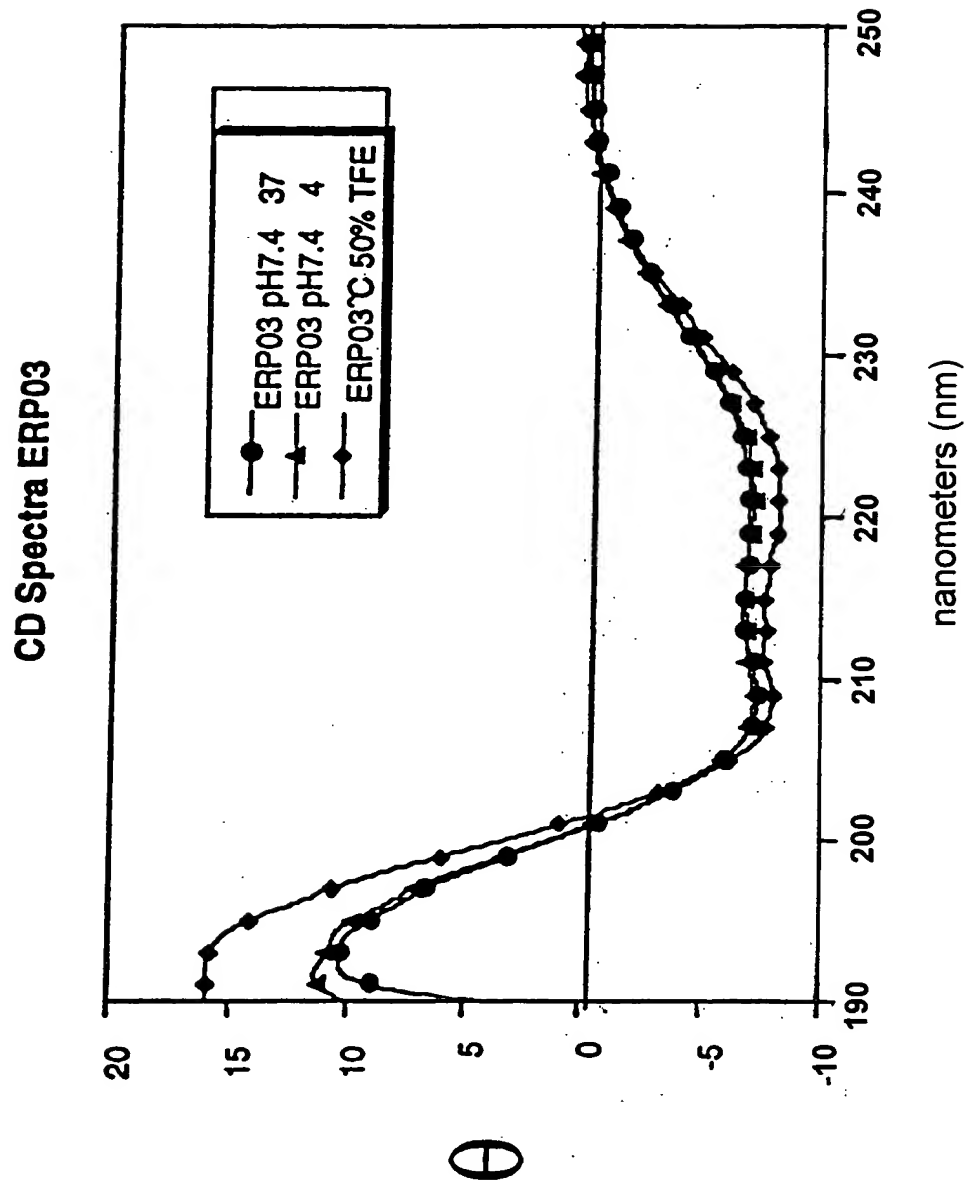


FIG. 12

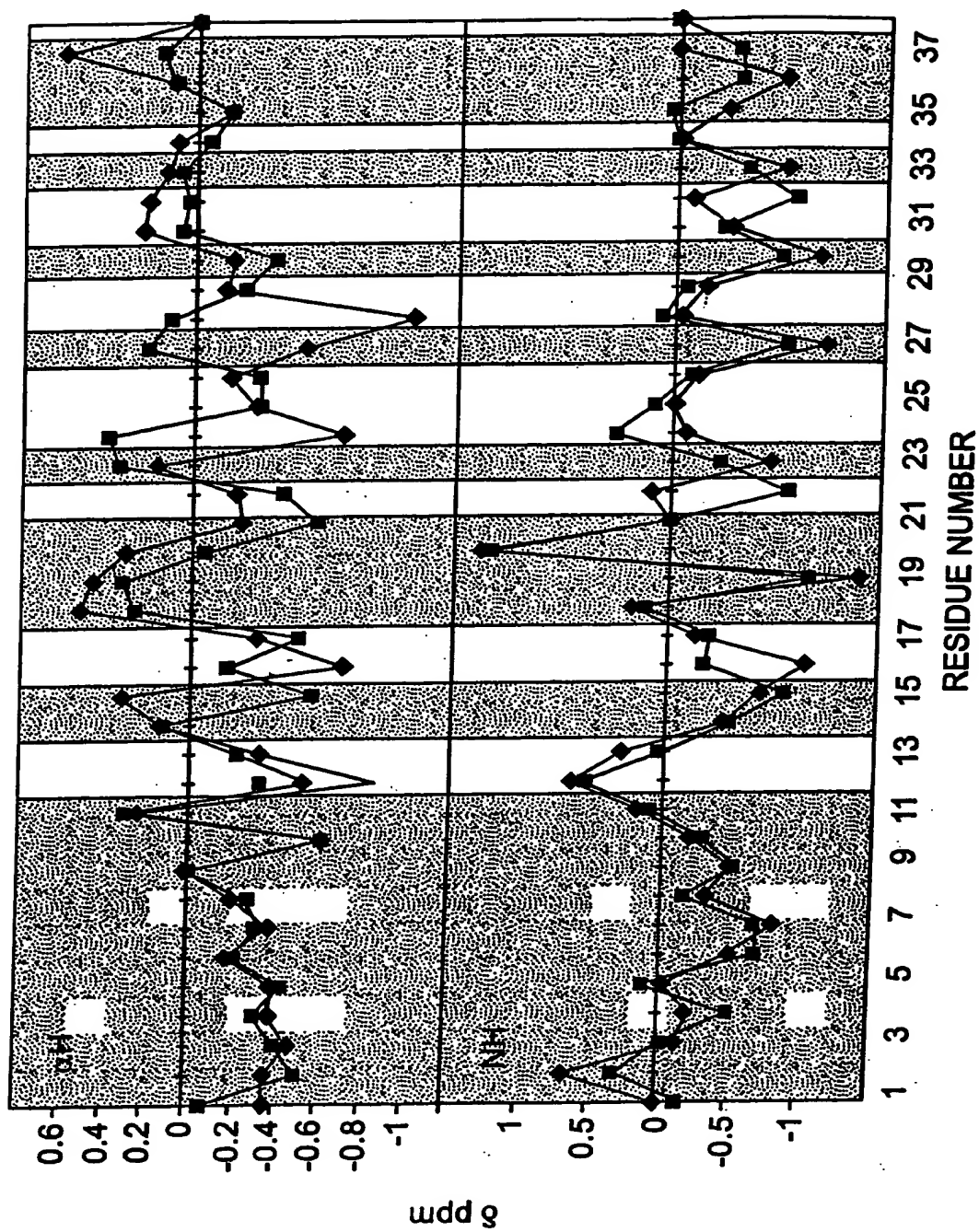


FIG. 13

A F C N L - R M C Q L S C R S - L G L - L G K C I G D K C E C V K H
 C N L - A F C Q L S C K S - L G L - K G G C Q G S F C F C G
 I L G N Q G S F L T K G P
 00P

FIG. 14